

What is an ROV?

ROV stands for Remotely Operated Vehicle

HOW DEEP?

ROVs can be designed for any ocean depth, reaching 11,000 m!

LIGHTS

ROVs carry many bright lights so cameras can record glimpses of the dark depths.

CAMERAS

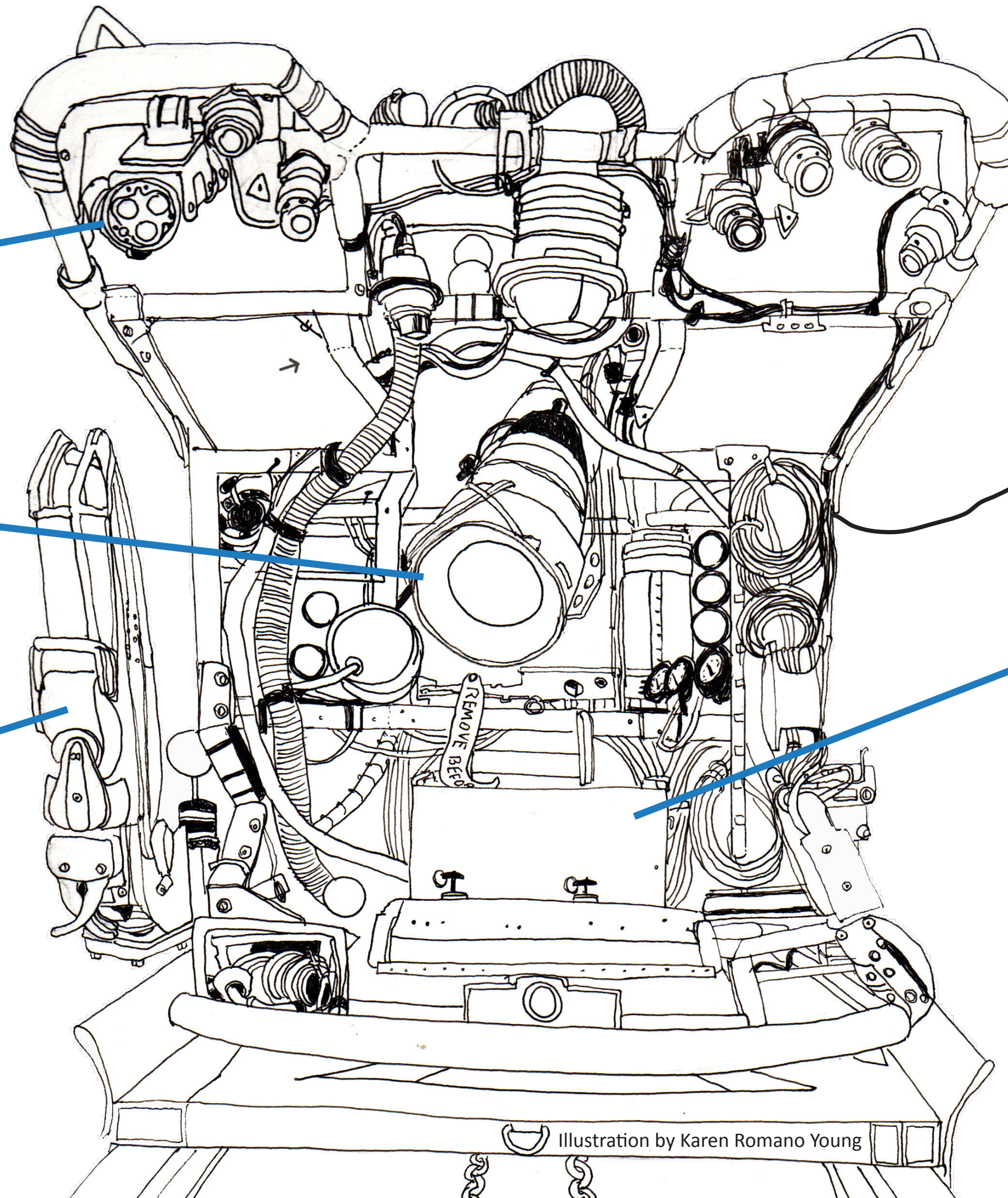
ROVs have many cameras to capture new ocean discoveries and to operate smoothly.

MANIPULATOR ARM

Multi-joint arms with interchangeable claws are used to collect samples.

HOW BIG?

Small as a book or big as a tractor! ROVs range in size to match the needs of a project.



WHO DIVES?

No person goes underwater, that's the magic of *remote* operations! Pilots on the ship control the ROV.

TETHER

A long fiber-optic cable linking ROVs to the host ship is used to transmit data and provide power to the vehicles.

SAMPLE BOXES

Containers of different shapes and sizes store the newly collected specimens until the ROV returns to the surface.

HOW LONG?

ROVs can stay underwater a long time - many days without coming up! Often the limit is how full sample boxes are.